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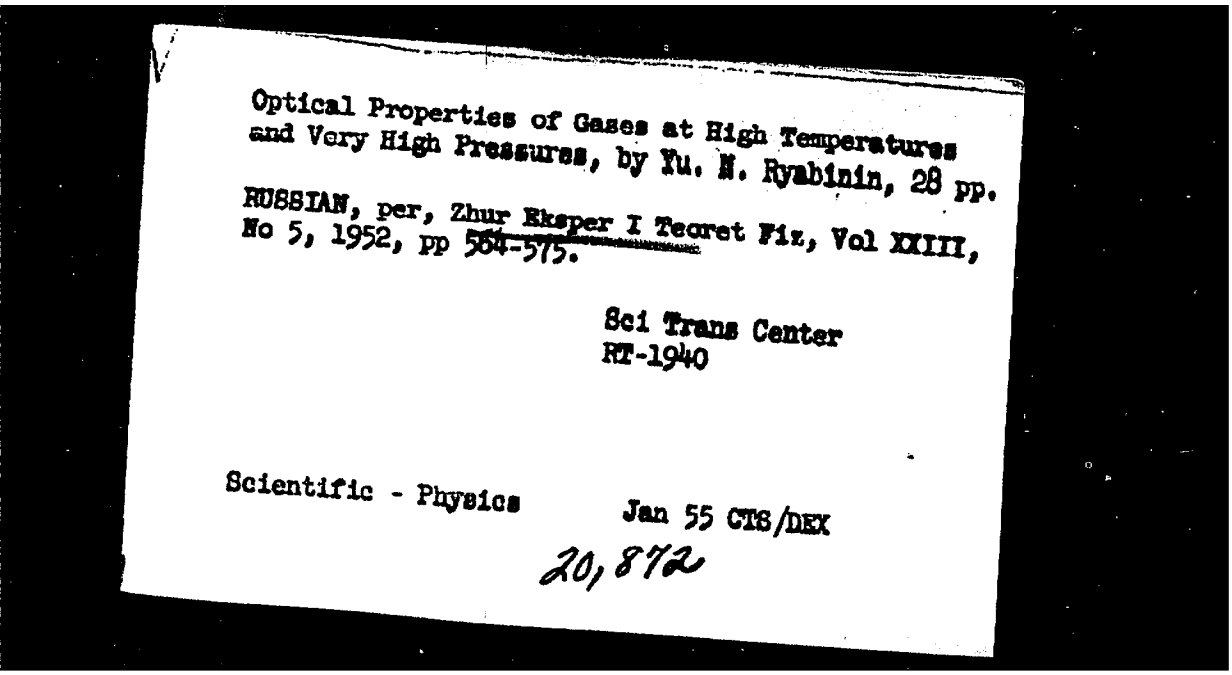

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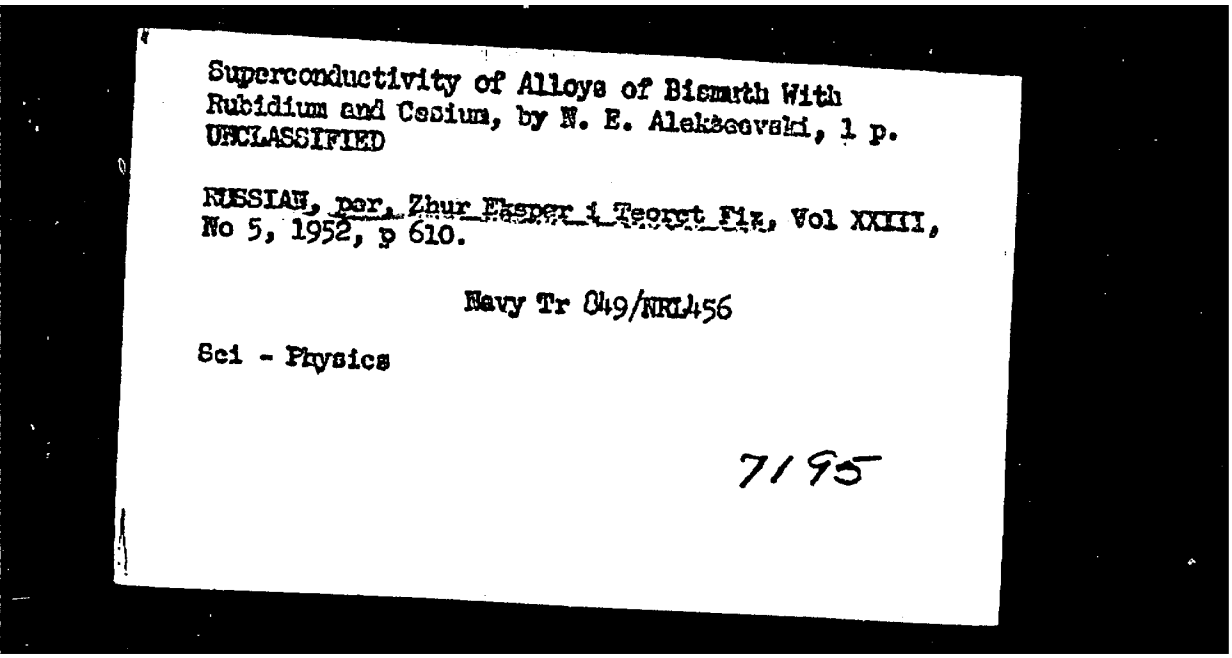

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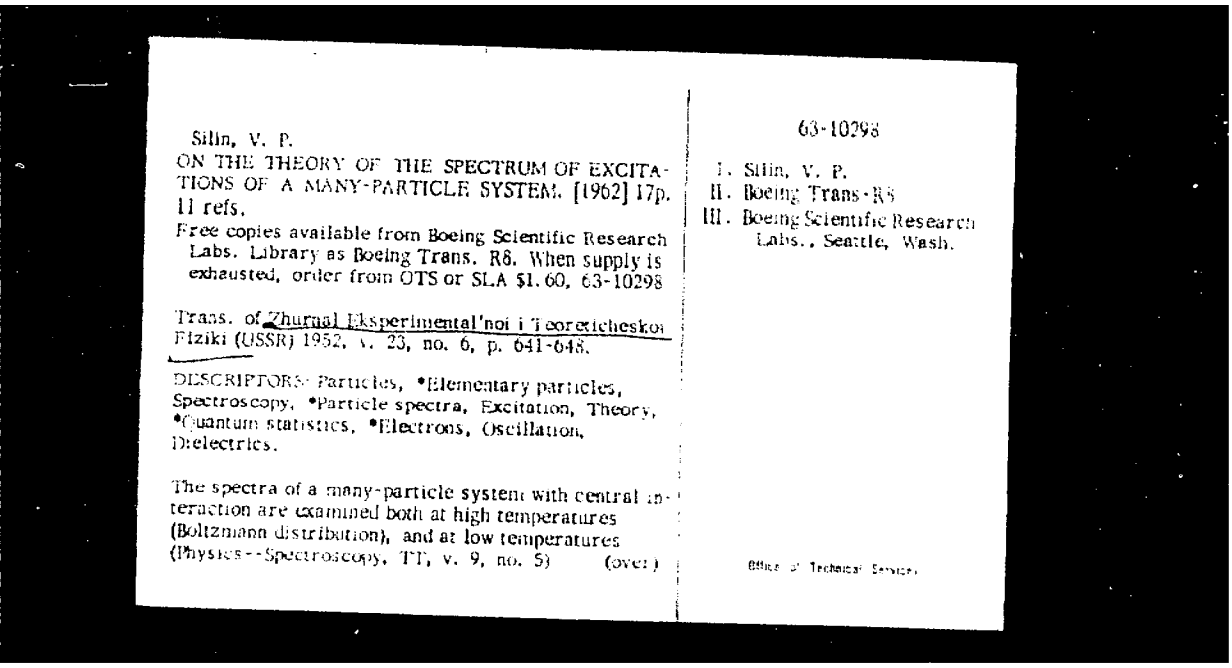

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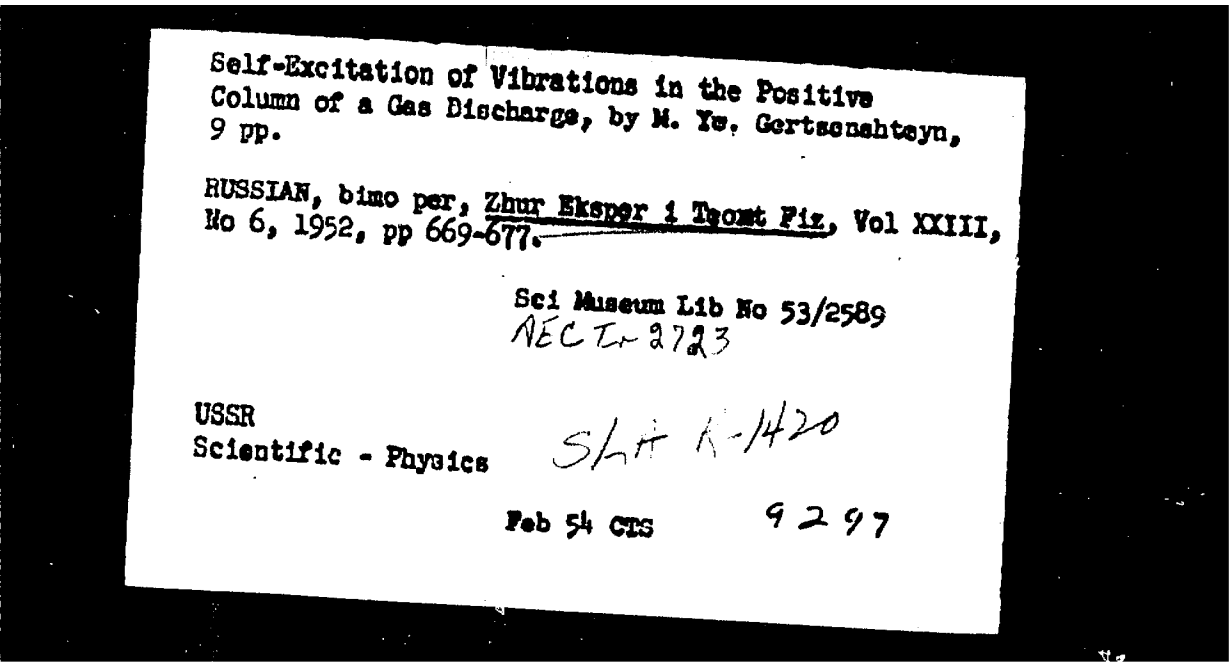

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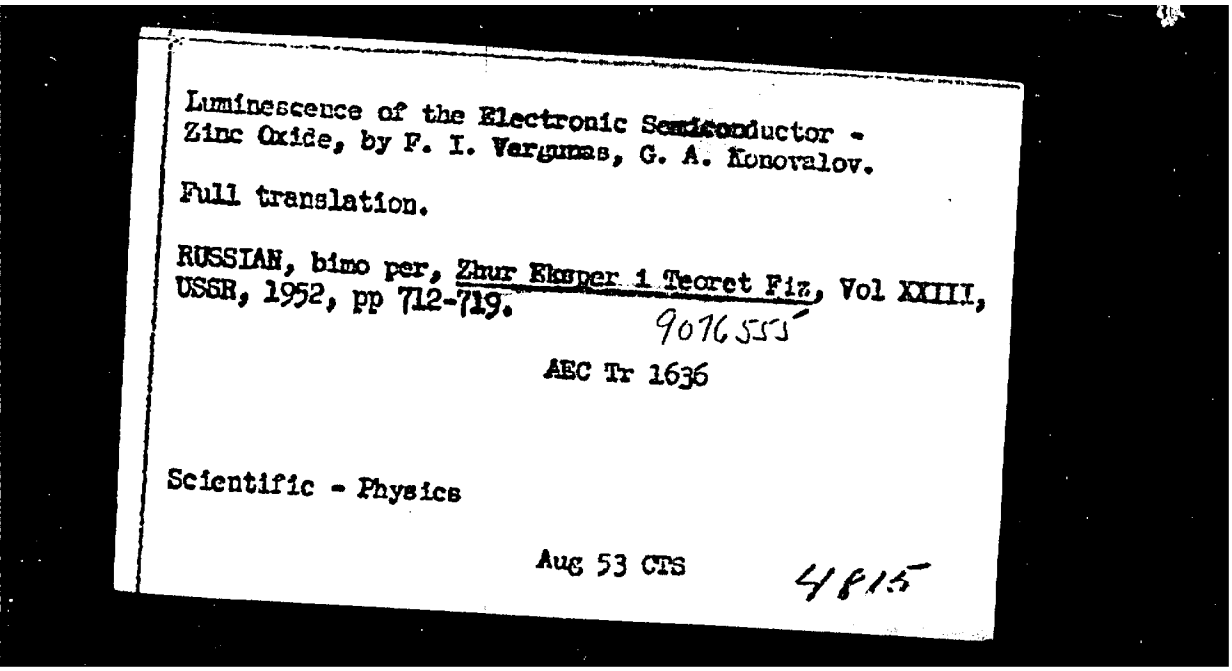

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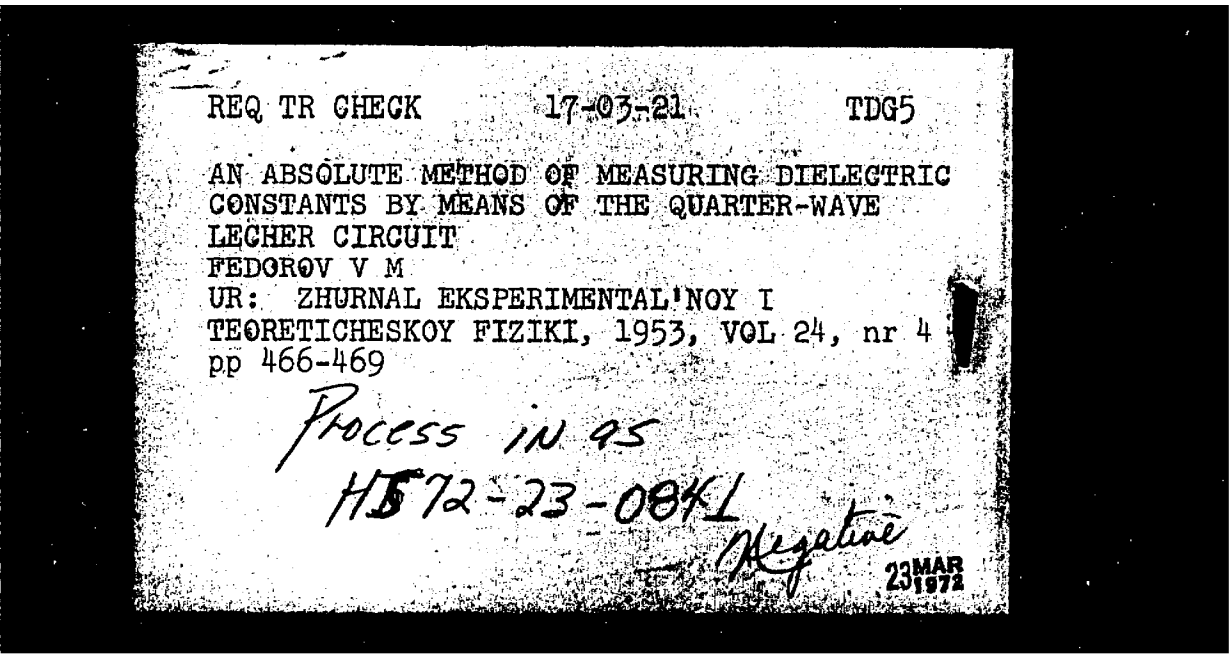

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UR: ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY FIZIKI, 1953, VOL 24, nr 4 pp 466-469

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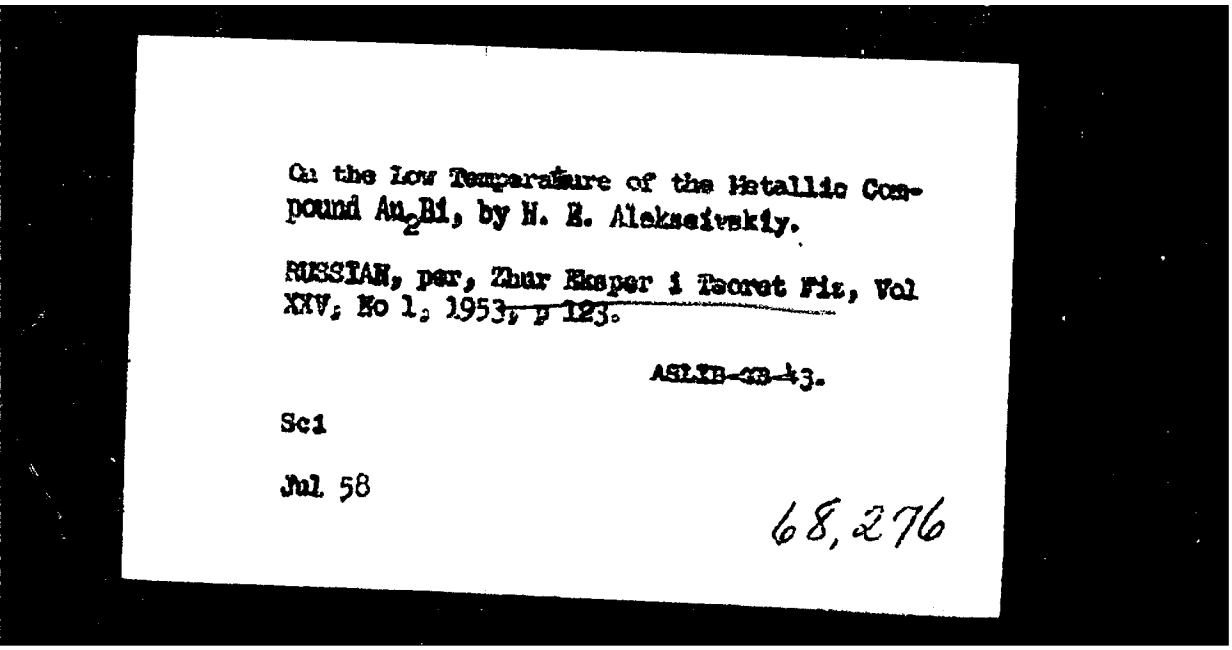

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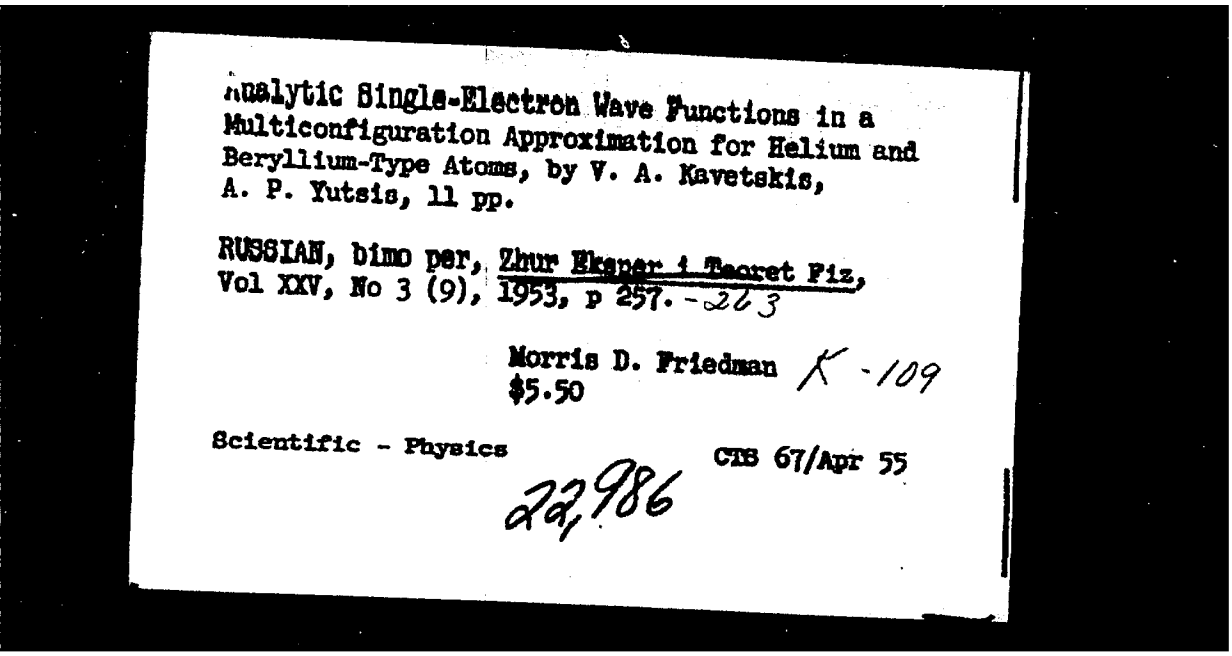

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Some peculiarities of electron motion in colored alkali halogenide salt crystals showing photoconductivity

Einige Besonderheiten der Elektronenbewegung in gefärbten-Alkalihalogenidsalzkristallen bei Photoleitfähigkeit

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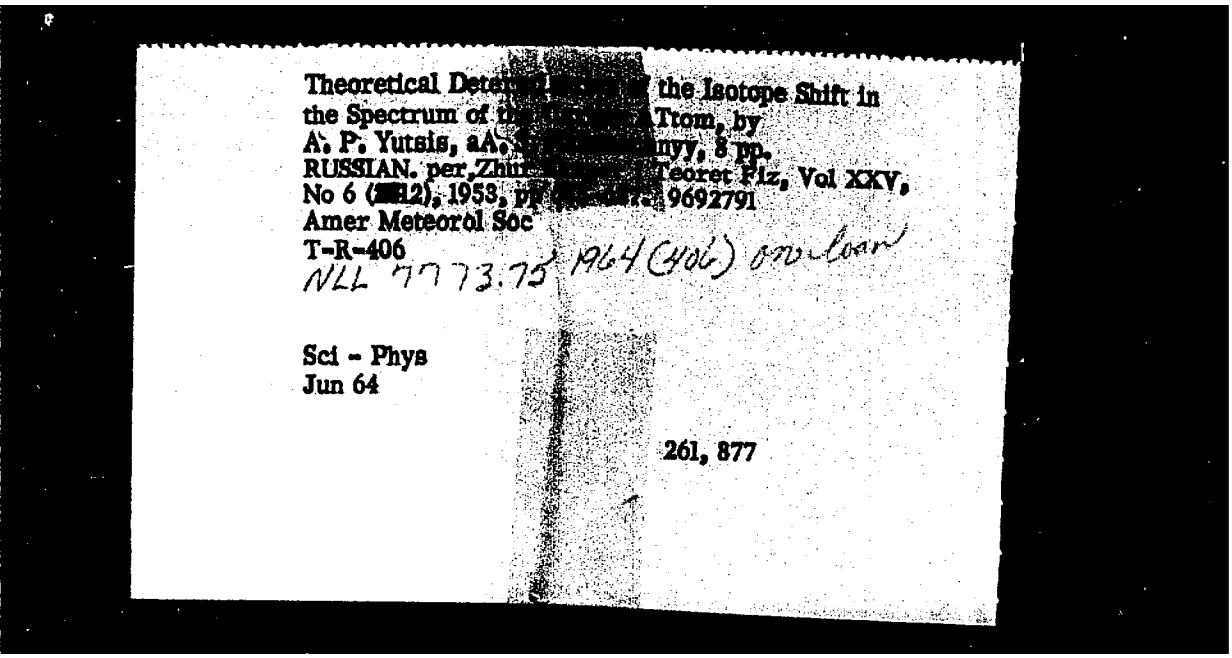

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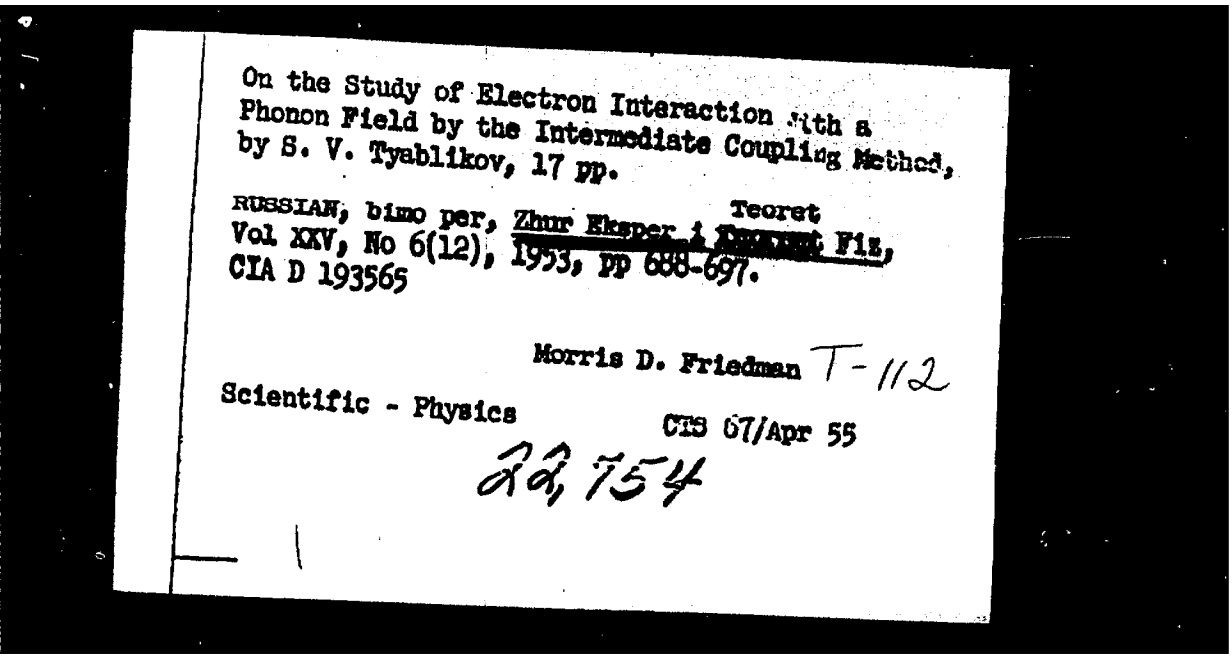

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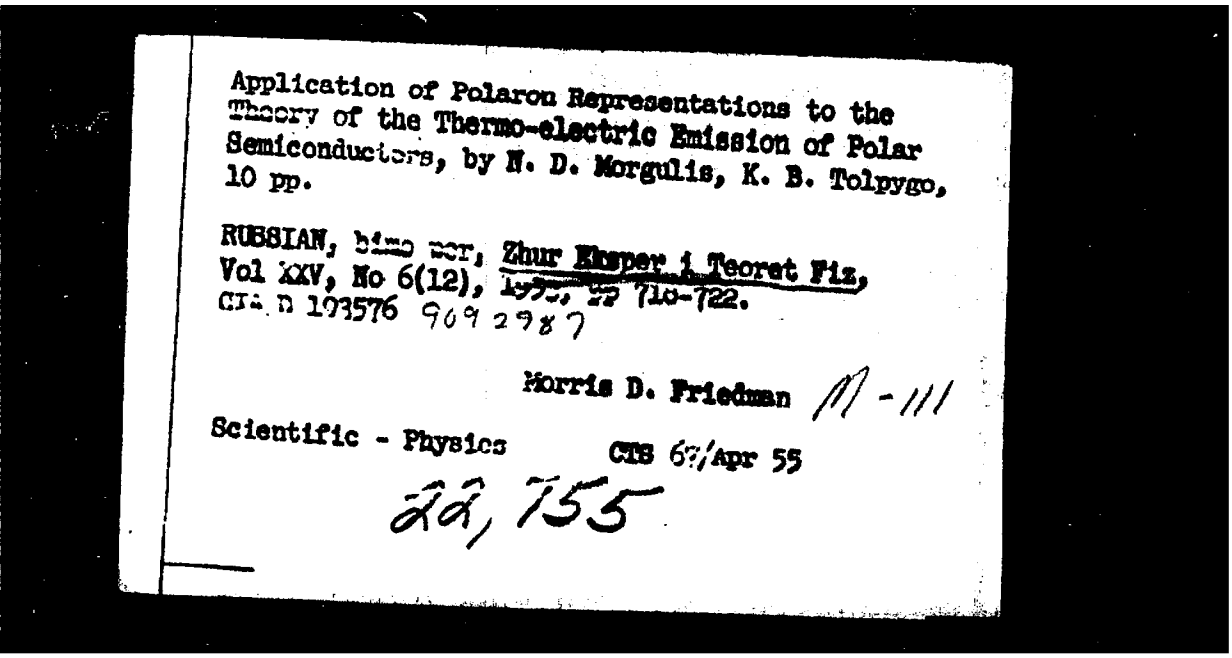

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NASA TT F-11,618

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QUADRUPOLAR AND DIPOLAR GAMMA RADIATION OF NUCLEI, tr. by S. Shewchuck. Apr 62, 14p.
6 refs.
Order from OTS or SLA UCRL Trans-822(L)

Trans. of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1954, v. 15, p. 81-88.

DESCRIPTORS: *Nuclei, *Gamma rays, Nuclear moments, *Quadrupole moments, *Dipole moments, Excitation, Energy, Quantum mechanics, Atomic properties.

The order of magnitude of the matrix elements of dipolar and quadrupolar radiation is evaluated and it is explained why the intensity of the corresponding transitions (with energy around 1 Mev) possess the same order of magnitude. For energies > 1 Mev the intensity of the dipolar transitions must be much greater than the intensities of the quadrupolar. (Author)
(Nuclear Physics and Nuclear Chemistry, [illegible])

63-13819

I. Migdal, A.
II. UCRL-Trans-822(L)
III. Lawrence Radiation Lab., U. of California, Berkeley

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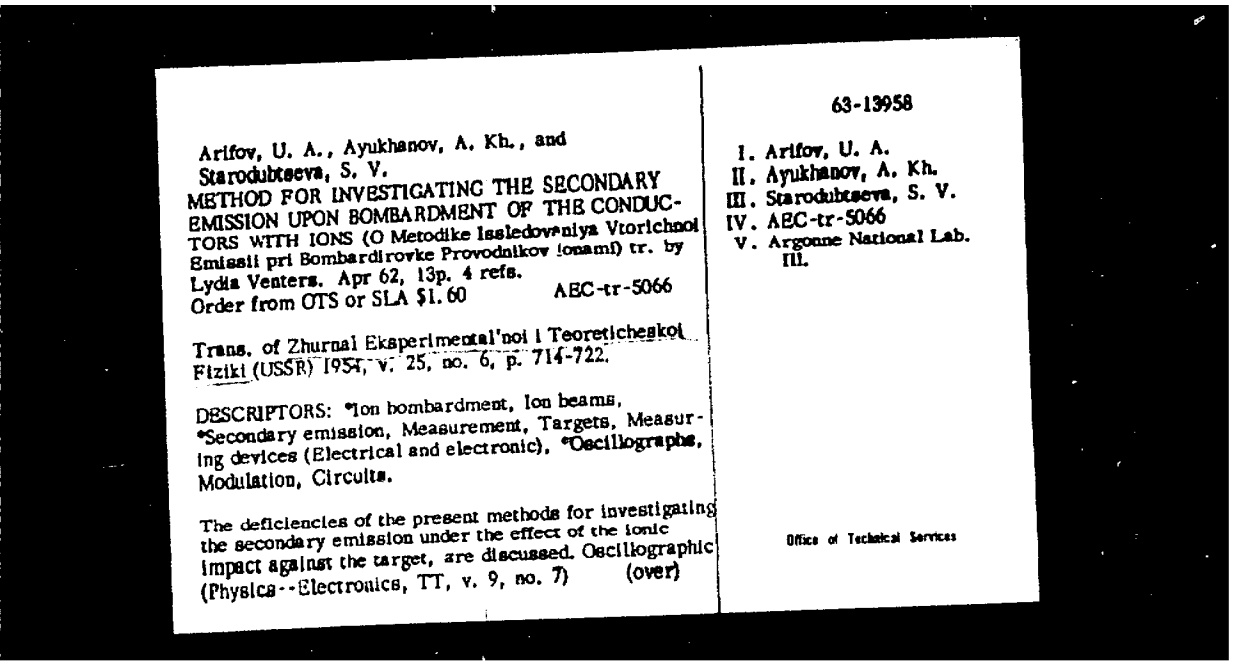

Arifov, U. A., Ayukhanov, A. Kh., and Starodubtseva, S. V.
METHOD FOR INVESTIGATING THE SECONDARY EMISSION UPON BOMBARDMENT OF THE CONDUCTORS WITH IONS (O Metodike Issledovaniya Vtorichnoi Emissii pri Bombardirovke Provodnikov Ionami) tr. by Lydia Venters. Apr 62, 13p. 4 refs.
Order from OTS or SLA $1.60 AEC-tr-5066

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DESCRIPTORS: *Ion bombardment, Ion beams, *Secondary emission, Measurement, Targets, Measuring devices (Electrical and electronic), *Oscillographs, Modulation, Circuits.

The deficiencies of the present methods for investigating the secondary emission under the effect of the ionic impact against the target, are discussed. Oscillographic (over)
(Physics--Electronics, TT, v. 9, no. 7)

63-13958

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IV. AEC-tr-5066
V. Argonne National Lab. Ill.

Office of Technical Services

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Diffraction by a Perfectly Conducting Half-Plane of Electromagnetic Waves Emitted by an Arbitrarily Oriented Electric and Magnetic Dipole, by Yu. V. Vandakurov, 22 pp.

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Tech Tr No 1 30,390

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AEC Tr-2601
ATIC F-TS-9090/III

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